

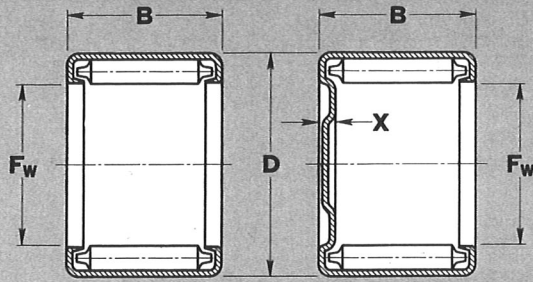
# TORRINGTON

## BEARING DIMENSIONS

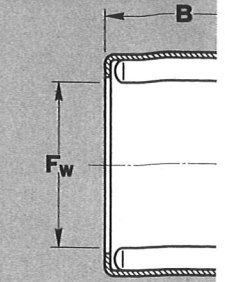
Before ordering any bearing, check for availability.

Metric-inch conversions given are for the convenience of the user. The controlling dimensions are in millimetres for nominal metric bearings and in inches for nominal inch bearings.

## FULL COMPLEMENT NEEDLE ROLLER BEARINGS



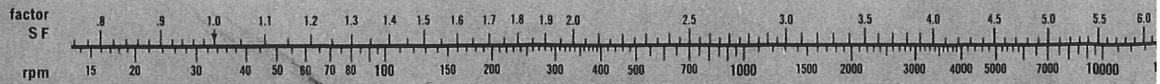
open end closed end  
MECHANICALLY RETAINED ROLLERS



open end  
GREASE RETAINED ROLLERS  
See page 57 before ordering

F <sub>w</sub> bore (nom.)		D o.d. (nom.)		B width		bearing designation		C <sub>r</sub> basic dynamic load rating		C <sub>0</sub> basic static load rating	X end thickness (max.)		limiting speed all full complement bearings rpm	bearing design- ation	C basic dy load r
mm	inch	mm	inch	mm	inch	open end	closed end	T lbf	ISO R 281 lbf	lbf	mm	inch			T lbf
13	.51	19	.75	12	.472	F-1312	MF-1312	1420	1920	1680	1.9	.07	7150	—	—
14	.55	19	.75	16	.630	NF-1416	MNF-1416	1920	2590	2870	1.6	.06	5360	—	—
14	.55	19	.75	20	.787	NF-1420	MNF-1420	2400	3240	3830	1.6	.06	5360	—	—
14	.55	20	.79	12	.472	F-1412	MF-1412	1420	1920	1760	2.2	.09	6250	FY-1412	1620
14	.55	20	.79	13	.512	F-1413	MF-1413	1570	2120	2010	2.2	.09	6250	—	—
14	.55	20	.79	16	.630	F-1416	MF-1416	2000	2700	2740	2.2	.09	6250	—	—
14.29	5/16	19.05	3/4	7.92	.312	B-95	M-951	797	1080	963	2.0	.08	5000	—	—
14.29	5/16	19.05	3/4	9.52	.375	B-96	M-961	1030	1400	1340	2.0	.08	5000	—	—
14.29	5/16	19.05	3/4	11.13	.438	B-97	M-971	1260	1700	1730	2.0	.08	5000	—	—
14.29	5/16	19.05	3/4	12.70	.500	B-98	M-981	1470	1980	2110	2.0	.08	5000	Y-98	1580
14.29	5/16	19.05	3/4	15.88	.625	B-910	M-9101	1870	2520	2880	2.0	.08	5000	Y-910	1980
14.29	5/16	19.05	3/4	19.05	.750	B-912	M-9121	2240	3040	3640	2.0	.08	5000	Y-912	2350
14.29	5/16	20.64	13/16	12.70	.500	BH-98	—	1710	2300	2040	—	—	6800	—	—
14.29	5/16	20.64	13/16	15.88	.625	BH-910	—	2210	2990	2850	—	—	6800	—	—
14.29	5/16	20.64	13/16	19.05	.750	BH-912	MH-9121	2680	3620	3660	2.3	.09	6800	—	—
15	.59	21	.83	12	.472	F-1512	MF-1512	1530	2070	1900	1.8	.07	6250	—	—
15	.59	21	.83	14	.551	F-1514	MF-1514	1850	2500	2420	1.8	.07	6250	—	—
15	.59	21	.83	16	.630	F-1516	MF-1516	2150	2900	2940	1.8	.07	6250	—	—
15.88	5/8	20.64	13/16	7.92	.312	B-105	M-1051	846	1140	1060	2.0	.08	4500	Y-105	986
15.88	5/8	20.64	13/16	11.13	.438	B-107	M-1071	1330	1800	1900	2.0	.08	4500	—	—
15.88	5/8	20.64	13/16	12.70	.500	B-108	M-1081	1560	2100	2320	2.0	.08	4500	Y-108	1680
15.88	5/8	20.64	13/16	15.88	.625	B-1010	M-10101	1980	2680	3170	2.0	.08	4500	—	—
15.88	5/8	20.64	13/16	19.05	.750	B-1012	M-10121	2380	3220	4010	2.0	.08	4500	Y-1012	2490
15.88	5/8	22.22	7/8	12.70	.500	BH-108	MH-1081	1810	2450	2240	2.3	.09	6200	YH-108	1910
15.88	5/8	22.22	7/8	15.88	.625	BH-1010	—	2340	3170	3120	—	—	6200	—	—
15.88	5/8	22.22	7/8	19.05	.750	BH-1012	MH-10121	2840	3850	4010	2.3	.09	6200	—	—
15.88	5/8	22.22	7/8	25.40	1.000	BH-1016	—	3780	5110	5770	—	—	6200	—	—
16	.63	22	.87	12	.472	F-1612	MF-1612	1520	2060	1980	2.2	.09	5560	—	—
16	.63	22	.87	16	.630	F-1616	MF-1616	2140	2900	3080	2.2	.09	5560	—	—

speed



Load ratings are given in pounds-force: 1 lbf = 0.454 kgf = 4.448 N

Required Basic Dynamic Load Rating (C<sub>r</sub>) = Applied Load • SF • LF • HF (see page 52).

Aircraft Static Capacity = 1.6 C<sub>0</sub>